

Fig. 1

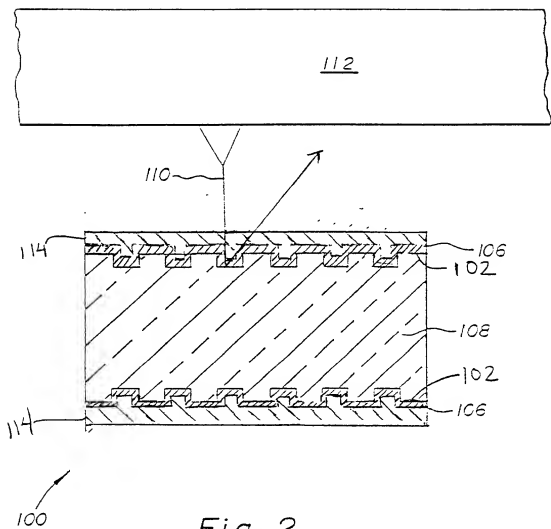
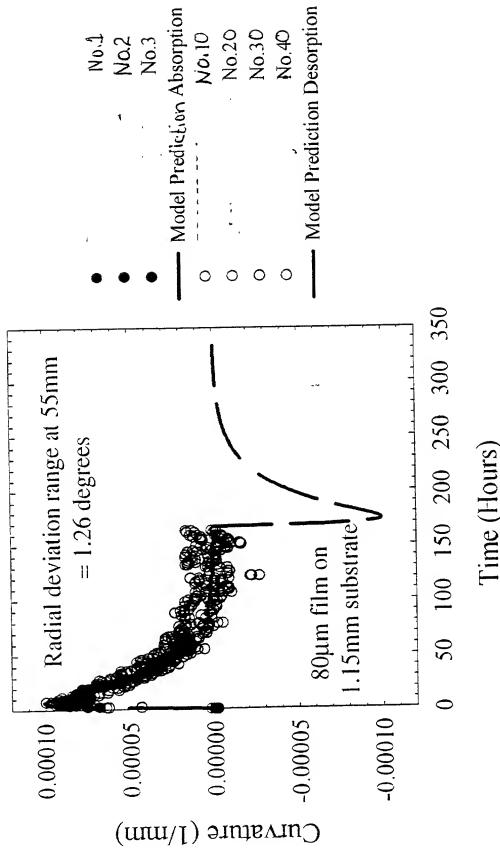


Fig. 2

Figure 3

25°C and 50% rh - 25°C and 90% rh - 25°C and 50% rh



Radial Deviation (deg) = $360 \cdot \text{Curvature} \cdot \text{radius} / \pi$

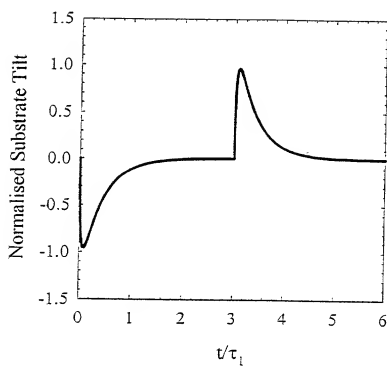


FIGURE 4

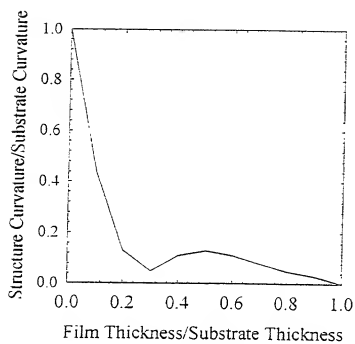


FIGURE 5

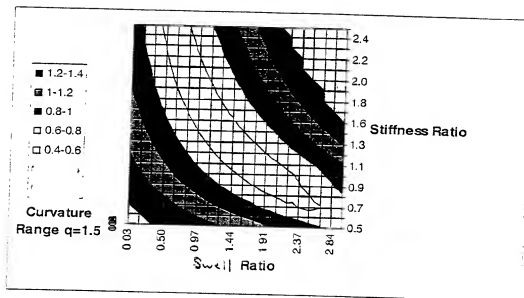


Figure 6. Curvature Ratio Contour Map at a diffusion ratio of 1.5.

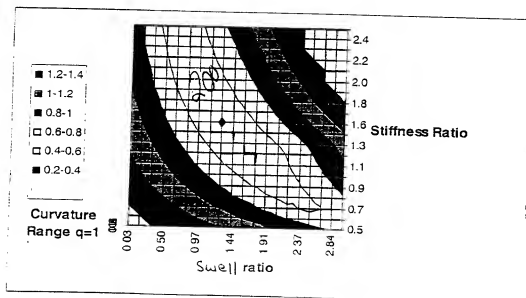


Figure 7. Curvature Ratio Contour Map at a diffusion ratio of 1.

Mismatched System - identical substrate

25°C and 50% rh - 25°C and 90% rh - 25°C and 50% rh

Film Ratios	
Thickness	0.070
Stiffness	1.3985496
Swell	1.9999845
Diffusivity	0.930049

60% reduction in
radial deviation range

